



SITE INFORMATION AND HEALTH/SAFETY CHECKLIST

This form shall be completed prior to field activities and signed by the Project Manager and field personnel. The original shall be filed in the project's blue file. A copy of this form shall be taken into the field by field personnel.

Project Name : Frankfort Roundhouse SME Project No. : 066340.00.04A.002

Client Contact Name: Shan Sheridan Number: (765) 654-5507

SME Project Manager: Keith Egan

Site Name: Former Frankfort Roundhouse

Site Location: Walnut Avenue and Boomer Street, Frankfort, Indiana

Site Conditions/Use: Former railroad switching yard, vacant

Estimated Start Date: TBD

Estimated Duration of Project: TBD

GENERAL EMERGENCY INSTRUCTIONS & INFORMATION

Attach map and directions from site to nearest hospital.

Name of Nearest Hospital St Vincent Frankfort Hospital

Hospital Address 1300 South Jackson, Frankfort, IN

Hospital Telephone 765-656-3000

Emergency Number 911

In case of an emergency, please follow the general instructions below:

1. Cease Operation
2. Call Emergency Number 911
3. Contact Project Manager: Cell phone 513-319-8918
4. If Project Manager is not available, contact Chris Shaw

SITE INFORMATION AND HEALTH/SAFETY CHECKLIST

Site Name/Address: Former Frankfort Roundhouse, Walnut and Boomer, Frankfort, Indiana

Project No. 066340.00.04A.001

Date: May 2, 2013

ON SITE PERSONNEL

SME Personnel TBD

SME Site Safety Officer, if applicable Mark Halloway

Site Contact/Affiliation Laura Welsh

Site Contact Phone Number 317-879-6172

Subcontractors and Phone Numbers NA

Other Contractors/Operations _____

Authorized Visitor(s) _____

POTENTIAL HAZARDS

CHEMICAL SAFETY HAZARDS

1. Potential Chemical Source(s) petroleum products, rail ties via soil contact

2. Potential Chemical Hazards arsenic, lead, PAHs

3. Immediately Dangerous to Life and Health (IDLH) exposure hazards present?
____ YES X NO ____ Unknown

4. If Chemical Concentrations Are Known At The Site

A. Above Residential Criteria? ____ YES ____ NO X Unknown

B. Above Industrial Criteria? ____ YES ____ NO X Unknown

5. Potential Exposure Routes (Check All That Apply)

<u> </u> Inhalation of Volatiles	<u>X</u> Inhalation of Particulates
<u>X</u> Ingestion	<u>X</u> Dermal Contact

Append available health and safety information for constituents of concern associated with this site that personnel could encounter during work, as published by the National Institute of Occupational Safety and Health (NIOSH) or as found on International Chemical Safety Cards, Material Safety Data Sheets, Agency for Toxic Substances and Disease Registry (ASTDR) ToxFaq fact sheets, etc.

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Date: May 2, 2013

PHYSICAL SAFETY HAZARDS

Potential Safety Hazards (Check all that apply)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Slip/Trip/Fall | <input checked="" type="checkbox"/> Electrical hazard |
| <input checked="" type="checkbox"/> Mechanical/Machinery | <input type="checkbox"/> Lock Out Tag Out |
| <input checked="" type="checkbox"/> Excavations | <input type="checkbox"/> Confined Space |
| <input checked="" type="checkbox"/> Heat stress | <input type="checkbox"/> Cold stress |
| <input checked="" type="checkbox"/> Noise | <input type="checkbox"/> Fall Hazard |
| <input type="checkbox"/> Other (specify) _____ | |

REQUIRED PERSONAL PROTECTIVE EQUIPMENT AND SAFETY EQUIPMENT

1. Specific Personal Protective Equipment Needed:

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Hard Hat | <input checked="" type="checkbox"/> Safety Glasses | <input checked="" type="checkbox"/> Steel-Toed Boots |
| <input checked="" type="checkbox"/> Gloves (specify type) <u>leather work gloves; nitrile gloves for sample collection</u> | | |
| <input type="checkbox"/> Disposable Suit (specify type) <u>Tyvek suit for friable sample collection</u> | | |
| <input checked="" type="checkbox"/> First Aid Kit | <input type="checkbox"/> Fire Extinguisher | <input type="checkbox"/> Safety Harness |
| <input type="checkbox"/> Other (specify) _____ | | |

2. Respirator Required? ☐ Yes ☒ No

Type of respirator _____

Type of filter cartridges _____

3. Monitoring Required? ☒ Yes ☐ No (if yes, specify type)

- | |
|--|
| <input checked="" type="checkbox"/> Photoionization Detector |
| <input type="checkbox"/> Multiple Gas Meter |
| <input type="checkbox"/> Combustible Gas Meter |
| <input type="checkbox"/> Colorimetric/Drager sorbent tubes |
| <input type="checkbox"/> Other (specify) _____ |

Refer to the Project HASP for Action Levels associated with monitoring results. Use appended forms to record calibration and instrument readings if instrument does not have integrated logging function.

Checklist Completed by _____ Date _____

Checklist Approved by _____ Date _____

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**ACKNOWLEDGMENT OF PROJECT HEALTH AND SAFETY PLAN (HASP) AND
SITE INFORMATION AND HEALTH/SAFETY CHECKLIST**

SME personnel working at the site or visiting the site must review the Project HASP, review the Site Information and Health/Safety Checklist, and sign below acknowledging that they understand the hazards and will abide by the requirements of the checklist.






Name	Signature	Date	Company Name

APPENDIX A
HEALTH AND SAFETY INFORMATION
FOR CONSTITUENTS OF CONCERN

International Chemical Safety Cards


ARSENIC

ICSC: 0013



Grey arsenic
As
Atomic mass: 74.9

ICSC # 0013
CAS # 7440-38-2
UN # 1558
EC # 033-001-00-X
May 04, 2010 Validated
Fa, rack corrections: 10-2004, Sankt Augustin;



TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames. NO contact with strong oxidizers. NO contact with hot surfaces.	Powder, water spray, foam, carbon dioxide.
EXPLOSION	Risk of fire and explosion on contact with : see Chemical Dangers.	No contact with incompatible materials: see Chemical dangers.	
EXPOSURE		PREVENT DISPERSION OF DUST! AVOID ALL CONTACT!	
•INHALATION	see Ingestion.	Closed system and ventilation.	Fresh air, rest. Seek medical attention if you feel unwell .
•SKIN		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
•EYES		Face shield or eye protection in combination with breathing protection if powder.	Rinse with plenty of water (remove contact lenses if easily possible).
•INGESTION	Abdominal pain. Diarrhoea. Nausea. Vomiting. Weakness. Shock or collapse. Unconsciousness.	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Refer immediately for medical attention.
SPILLAGE DISPOSAL		STORAGE	PACKAGING & LABELLING
Personal protection: chemical protection suit including self-contained breathing apparatus. Do NOT let this chemical enter the environment. Sweep spilled substance into sealable containers. Carefully collect remainder, then remove to safe place.		Separated from strong oxidants, acids, halogens, food and feedstuffs. Well closed. Provision to contain effluent from fire extinguishing. Store in an area without drain or sewer access.	Do not transport with food and feedstuffs. T symbol N symbol R: 23/25-50/53 S: 1/2-20/21-28-45-60-61 UN Hazard Class: 6.1 UN Packing Group: II Signal: Danger Skull-Health haz Toxic if swallowed May cause cancer

		Suspected of damaging fertility or the unborn child Causes damage to the gastrointestinal tract if swallowed Causes damage to organs through prolonged or repeated exposure Toxic to aquatic life May cause long lasting harmful effects to aquatic life
SEE IMPORTANT INFORMATION ON BACK		
ICSC: 0013	Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities (C) IPCS CEC 1994. No modifications to the International version have been made except to add the OSHA PELs, NIOSH RELs and NIOSH IDLH values.	

International Chemical Safety Cards

ARSENIC

ICSC: 0013

I M P O R T A N T D A T A	PHYSICAL STATE; APPEARANCE: BRITTLE, GREY, METALLIC-LOOKING CRYSTALS.		ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.
	PHYSICAL DANGERS:		INHALATION RISK: A harmful concentration of airborne particles can be reached quickly when dispersed, especially, if powdered.
	CHEMICAL DANGERS: Upon heating, toxic fumes are formed. Reacts violently with strong oxidants and halogens, causing fire and explosion hazard. Reacts with reducing agents to produce toxic and flammable arsine gas (See ICSC 0222) .		EFFECTS OF SHORT-TERM EXPOSURE: The substance may cause effects on the gastrointestinal tract , resulting in severe gastroenteritis, loss of fluid, and electrolytes, cardiac disorders , shock and convulsions . Exposure far above the OEL may result in death. The effects may be delayed. Medical observation is indicated.
	OCCUPATIONAL EXPOSURE LIMITS: OSHA PEL: 1910.1018 TWA 0.010 mg/m ³ NIOSH REL: Ca C 0.002 mg/m ³ 15-minute See Appendix A NIOSH IDLH: Ca 5 mg/m ³ (as As) See: 7440382 TLV: 0.01 mg/m ³ as TWA; A1 (confirmed human carcinogen); BEI issued; (ACGIH 2010). MAK: Carcinogen category: 1; Germ cell mutagen group: 3A; (DFG 2009).		EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: The substance may have effects on the skin, mucous membranes, peripheral nervous system , liver and bone marrow , resulting in pigmentation disorders, hyperkeratosis, perforation of nasal septum, neuropathy, anaemia , liver impairment . This substance is carcinogenic to humans. Animal tests show that this substance possibly causes toxicity to human reproduction or development.
PHYSICAL PROPERTIES	Sublimation point: 613°C Density: 5.7 g/cm ³	Solubility in water: none Auto-ignition temperature: 180°C	
ENVIRONMENTAL DATA	The substance is toxic to aquatic organisms. It is strongly advised that this substance does not enter the environment.		
NOTES			
The substance is combustible but no flash point is available in literature. Depending on the degree of exposure, periodic medical examination is suggested. Do NOT take working clothes home.			
ADDITIONAL INFORMATION			






ICSC: 0013	ARSENIC
(C) IPCS, CEC, 1994	

IMPORTANT LEGAL NOTICE:	Neither NIOSH, the CEC or the IPCS nor any person acting on behalf of NIOSH, the CEC or the IPCS is responsible for the use which might be made of this information. This card contains the collective views of the IPCS Peer Review Committee and may not reflect in all cases all the detailed requirements included in national legislation on the subject. The user should verify compliance of the cards with the relevant legislation in the country of use. The only modifications made to produce the U.S. version is inclusion of the OSHA PELs, NIOSH RELs and NIOSH IDLH values.
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International Chemical Safety Cards

BENZO(a)PYRENE

ICSC: 0104



Benz(a)pyrene
3,4-Benzopyrene
Benzo(d,e,f)chrysene
C₂₀H₁₂
Molecular mass: 252.3

ICSC # 0104
CAS # 50-32-8
RTECS # [DJ3675000](#)
EC # 601-032-00-3
October 17, 2005 Validated

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Water spray, foam, powder, carbon dioxide.
EXPLOSION			
EXPOSURE	See EFFECTS OF LONG-TERM OR REPEATED EXPOSURE.	AVOID ALL CONTACT!	
•INHALATION		Local exhaust or breathing protection.	Fresh air, rest.
•SKIN	MAY BE ABSORBED!	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
•EYES		Safety goggles or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
•INGESTION		Do not eat, drink, or smoke during work.	Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.


SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Evacuate danger area! Personal protection: complete protective clothing including self-contained breathing apparatus. Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment.	Separated from strong oxidants. Store in an area without drain or sewer access.	T symbol N symbol R: 45-46-60-61-43-50/53 S: 53-45-60-61

SEE IMPORTANT INFORMATION ON BACK

International Chemical Safety Cards

BENZO(a)PYRENE

ICSC: 0104

I M P O R T A N T D A T A	PHYSICAL STATE; APPEARANCE: PALE-YELLOW CRYSTALS	ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its aerosol, through the skin and by ingestion.
	PHYSICAL DANGERS:	INHALATION RISK: Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly when dispersed.
	CHEMICAL DANGERS: Reacts with strong oxidants causing fire and explosion hazard.	EFFECTS OF SHORT-TERM EXPOSURE:
	OCCUPATIONAL EXPOSURE LIMITS: TLV: Exposure by all routes should be carefully controlled to levels as low as possible A2 (suspected human carcinogen); (ACGIH 2005). MAK: skin absorption (H); Carcinogen category: 2; Germ cell mutagen group: 2 (DFG 2007).	EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: This substance is carcinogenic to humans. May cause heritable genetic damage to human germ cells. Animal tests show that this substance possibly causes toxicity to human reproduction or development.
	PHYSICAL PROPERTIES	Boiling point: 496°C Melting point: 178.1°C Density: 1.4 g/cm ³ Solubility in water: none (<0.1 g/100 ml) Vapour pressure : negligible Octanol/water partition coefficient as log Pow: 6.04
	ENVIRONMENTAL DATA	The substance is very toxic to aquatic organisms. Bioaccumulation of this chemical may occur in fish, in plants and in molluscs. The substance may cause long-term effects in the aquatic environment. 
NOTES		
Do NOT take working clothes home. Benzo(a)pyrene is present as a component of polycyclic aromatic hydrocarbons (PAHs) in the environment, usually resulting from the incomplete combustion or pyrolysis of organic matters, especially fossil fuels and tobacco. Card has been partially updated in April 2010: see Occupational Exposure Limits, Storage.		
ADDITIONAL INFORMATION		
ICSC: 0104		
BENZO(a)PYRENE		
(C) IPCS, CEC, 1994		
IMPORTANT LEGAL NOTICE:	Neither NIOSH, the CEC or the IPCS nor any person acting on behalf of NIOSH, the CEC or the IPCS is responsible for the use which might be made of this information. This card contains the collective views of the IPCS Peer Review Committee and may not reflect in all cases all the detailed requirements included in national legislation on the subject. The user should verify compliance of the cards with the relevant legislation in the country of use. The only modifications made to produce the U.S. version is inclusion of the OSHA PELs, NIOSH RELs and NIOSH IDLH values.	

International Chemical Safety Cards

LEAD

ICSC: 0052

<div><div><div>?</div><div>?</div><div>?</div><div>?</div></div><div>Lead metal Plumbum Pb (powder)</div></div> <div>ICSC # 0052 CAS # 7439-92-1 RTECS # OF7525000 August 10, 2002 Validated</div>			
TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	
EXPOSURE	See EFFECTS OF LONG-TERM OR REPEATED EXPOSURE.	PREVENT DISPERSION OF DUST! AVOID EXPOSURE OF (PREGNANT) WOMEN!	
•INHALATION		Local exhaust or breathing protection.	Fresh air, rest.
•SKIN		Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
•EYES		Safety spectacles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
•INGESTION	Abdominal pain. Nausea. Vomiting.	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Give plenty of water to drink. Refer for medical attention.
SPILLAGE DISPOSAL		STORAGE	PACKAGING & LABELLING
Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment. Personal protection: P3 filter respirator for toxic particles.		Separated from food and feedstuffs and incompatible materials . See Chemical Dangers.	
SEE IMPORTANT INFORMATION ON BACK			
ICSC: 0052		Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities (C) IPCS CEC 1994. No modifications to the International version have been made except to add the OSHA PELs, NIOSH RELs and NIOSH IDLH values.	

International Chemical Safety Cards

LEAD

ICSC: 0052

I M P O R T A N T T A D A	PHYSICAL STATE; APPEARANCE: BLUISH-WHITE OR SILVERY-GREY SOLID IN VARIOUS FORMS. TURNS TARNISHED ON EXPOSURE TO AIR.	ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation and by ingestion.	
	PHYSICAL DANGERS: Dust explosion possible if in powder or granular form, mixed with air.	INHALATION RISK: A harmful concentration of airborne particles can be reached quickly when dispersed, especially if powdered.	
	CHEMICAL DANGERS: On heating, toxic fumes are formed. Reacts with oxidants. Reacts with hot concentrated nitric acid, boiling concentrated hydrochloric acid and sulfuric acid. Attacked by pure water and by weak organic acids in the presence of oxygen.	EFFECTS OF SHORT-TERM EXPOSURE:	
	OCCUPATIONAL EXPOSURE LIMITS: TLV: 0.05 mg/m³ as TWA; A3 (confirmed animal carcinogen with unknown relevance to humans); BEI issued; (ACGIH 2004). MAK: Carcinogen category: 2; Germ cell mutagen group: 3A; (DFG 2006). EU OEL: as TWA 0.15 mg/m³; (EU 2002). OSHA PEL*: 1910.1025 TWA 0.050 mg/m³ See Appendix C *Note: The PEL also applies to other lead compounds (as Pb) -- see Appendix C . NIOSH REL*: TWA 0.050 mg/m³ See Appendix C *Note: The REL also applies to other lead compounds (as Pb) -- see Appendix C . NIOSH IDLH: 100 mg/m³ (as Pb) See: 7439921	EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: The substance may have effects on the blood , bone marrow , central nervous system , peripheral nervous system and kidneys , resulting in anaemia, encephalopathy (e.g., convulsions), peripheral nerve disease, abdominal cramps and kidney impairment. Causes toxicity to human reproduction or development. This substance is probably carcinogenic to humans. fast track change Oct 06 - IARC 2A.	
	PHYSICAL PROPERTIES		
	Boiling point: 1740°C Melting point: 327.5°C		
	Density: 11.34 g/cm³ Solubility in water: none		
	ENVIRONMENTAL DATA	Bioaccumulation of this chemical may occur in plants and in mammals. It is strongly advised that this substance does not enter the environment.	
	NOTES		
	Depending on the degree of exposure, periodic medical examination is suggested. Do NOT take working clothes home. Card has been partly updated in April 2005. See section Occupational Exposure Limits. Card has been partly updated in October 2006: see section Occupational Exposure Limits, Effects Long Tem Exposure.		
ADDITIONAL INFORMATION			
ICSC: 0052			
LEAD			
(C) IPCS, CEC, 1994			

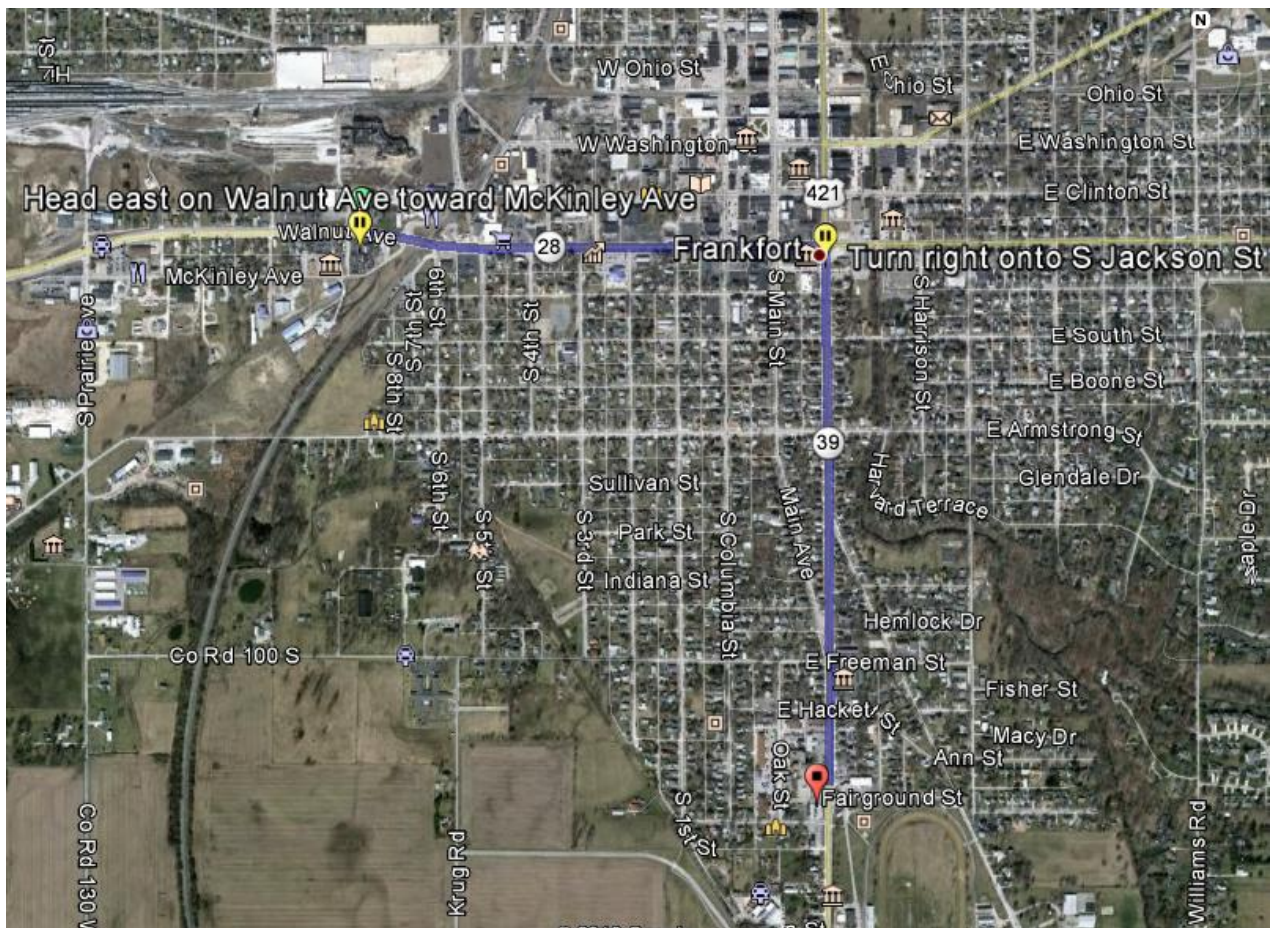
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**IMPORTANT
LEGAL
NOTICE:**

use which might be made of this information. This card contains the collective views of the IPCS Peer Review Committee and may not reflect in all cases all the detailed requirements included in national legislation on the subject. The user should verify compliance of the cards with the relevant legislation in the country of use. The only modifications made to produce the U.S. version is inclusion of the OSHA PELs, NIOSH RELs and NIOSH IDLH values.

APPENDIX B

MAP AND DIRECTIONS FROM SITE TO NEAREST MEDICAL FACILITY



A 810 Walnut Ave,
Frankfort, IN 46041

1. Head east on
Walnut Ave toward
McKinley Ave

0.6 mi

2. Turn right onto **S Jackson St**
Destination will be
on the right

0.7 mi

B 1300 S Jackson St,
Frankfort, IN 46041